

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先として国籍は、私の氏名の後に記載された通りである。

My residence, post office address, and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

A MAGNETIC HEAD USING A MAGNETO-RESISTIVE EFFECT AND A MANUFACTURING METHOD THEREOF

上記発明の明細書はここに添付されているが、下記の箱がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked:

☐ _____ の日に出版され、

この出版の米国出版番号またはPCT国際出版番号は、

_____ であり、且つ

の口に修正された出版（該当する場合）

☒ was filed on August 14, 2002
as United States Application Number or
PCT International Application Number

10/218,247 and was amended on

August 14, 2002 (if applicable).

私は、上記の修正書によって修正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Japanese Language Declaration

(日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)(d)項又は第365条(a)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の内容をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365 (a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

優先権を主張なし

外国での先行出願

<u>P2000-340636</u>	<u>JP</u>	<u>November 8, 2000</u>	<input type="checkbox"/>
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願日/月/年)	
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出願日/月/年)	

私は、ここに、下記はいかなる米国仮特許出願についても、その米国法典第35編第119条(a)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

<u> </u>	<u> </u>
(Application No.) (出願番号)	(Filing Date) (出願日)
<u> </u>	<u> </u>
(Application No.) (出願番号)	(Filing Date) (出願日)

私は、ここに、下記はいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第385条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入り込んだ情報で、逐語逐語逐語第37編第11条に定められた特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>PCT/JP01/09734</u>	<u>November 7, 2001</u>	<u>Pending</u>
(Application No.) (出願番号)	(Filing Date) (出願日)	(Status Patented, Pending, Abandoned) (現況：特許許可、係属中、放棄)
<u> </u>	<u> </u>	<u> </u>
(Application No.) (出願番号)	(Filing Date) (出願日)	(Status Patented, Pending, Abandoned) (現況：特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に関与することを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration
(日本語宣言書)

委任状: 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁護士及び/または弁理士を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number).

All practitioners associated with Customer No. 26263, with full power of substitution and revocation.

All practitioners associated with Customer No. 26263, with full power of substitution and revocation

書翰送付先

David R. Metzger
SONNENSCHN NATH & ROSENTHAL
P.O. Box 061080
Sears Tower
Wacker Drive Station
Chicago, Illinois 60606-1080

Send Correspondence to:

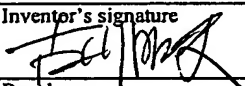
David R. Metzger
SONNENSCHN NATH & ROSENTHAL
P.O. Box 061080
Sears Tower
Wacker Drive Station
Chicago, Illinois 60606-1080

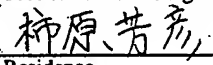
直通電話連絡先: (氏名及び電話番号)

David R. Metzger 312-876-2578
(Facsimile) 312-876-7934

Direct Telephone Calls to:
(name and telephone number)

David R. Metzger 312-876-2578
(Facsimile) 312-876-7934

唯一または第一発明者氏名	Full name of sole or first inventor AKIO FURUKAWA
発明者の署名 日付	Inventor's signature Date  SEP 3, 2002
住所	Residence Miyagi, Japan
国籍	Citizenship Japan
郵便の宛先	Post Office Address c/o Sony Corporation 6-7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo 141-0001, Japan

第二共同発明者がいる場合、その氏名	Full name of second joint inventor, if any YOSHIHIKO KAKIHARA
第二共同発明者の署名 日付	Second inventor's signature Date  SEP 10, 2002
住所	Residence Kanagawa, Japan
国籍	Citizenship Japan
郵便の宛先	Post Office Address c/o Sony Corporation 6-7-35, Kitishinagawa-ku, 6-chome Shinagawa-ku, Tokyo 141-0001, Japan

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

		Full name of third joint inventor, if any	
発明者の署名	日付	Inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

		Full name of fourth joint inventor, if any	
発明者の署名	日付	Inventor's signature	Date
住所		Residence	
国籍			
郵便の宛先			

		Full name of fifth joint inventor, if any	
発明者の署名	日付	Inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

		Full name of sixth joint inventor, if any	
発明者の署名	日付	Inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先			



UNITED STATES
PATENT AND
TRADEMARK OFFICE

JULY 15, 2003

PTAS

SONNENSCHN NATH & ROSENTHAL
DAVID R. METZGER
PO BOX #061080
WACKER DRIVE STATION, SEARS TOWER
CHICAGO, IL 60606-1080

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



102380926A

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SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/03/2003

REEL/FRAME: 013799/0093
NUMBER OF PAGES: 3

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE SECOND ASSIGNORS NAME.
DOCUMENT PREVIOUSLY RECORDED AT REEL 013417 FRAME 0083.

ASSIGNOR:

FURUKAWA, AKIO

DOC DATE: 09/03/2002

ASSIGNOR:

KAKIHARA, YOSHIHIKO

DOC DATE: 09/10/2002

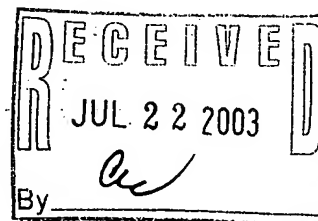
ASSIGNEE:

SONY CORPORATION
7-35 KITASHINAGAWA, 6-CHOME
SHINAGAWA-KU
TOKYO, JAPAN

SERIAL NUMBER: 10218247
PATENT NUMBER:

FILING DATE: 08/14/2002
ISSUE DATE:

RECEIVED 7/22/03 DOCKETED
DOCKETED assignment
DIARIED 7/22/03
BY: BVM cw



013799/0093 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

03-05-2003

FORM PTO-1595

REC

1/31/92

3-3-03

OFF



102380926

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks
thereof.

Attached original documents or copy

1. Name of conveying party(ies):
AKIO FURUKAWA
YOSHIHIKO KAKIHARA2. Name and address of receiving party(ies):
Name: SONY CORPORATIONInternal Address: 7-35 Kitashinagawa, 6-chome
Shinagawa-Ku, Tokyo
JapanAdditional name(s) of conveying party(ies)
attached?☐ Yes ☒ No

Street Address: _____

City _____ State: _____ Zip: _____

Additional Name(s) & Address(es) attached ☐ Yes ☒ No

3. Nature of conveyance:

- ☐
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☒
- Other Corrective Assignment (See Attach.)

Execution Date: _____

4. Application (number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Serial No. 10/218,247 filed August 14, 2002
Attorney Docket No. 09792486-0118

B: Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document should be
mailed:SONNENSCHN NATH & ROSENTHAL
P.O. Box #061080
Wacker Drive Station
Sears Tower
Chicago, IL 60606-1080
Customer ID No. 26263

6. Total number of applications and patents involved

17. Total Fee (37 CFR 3.41) \$ 40.00

- ☒
- Enclosed
-
- ☒
- Authorized to be charged to deposit account
-
- any additional fees

8. Deposit Account Number:

19-3140

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David R. Metzger

Name of Person Signing

Signature

February 25, 2003

Date

Total number of pages 2Mail documents to be recorded and required cover sheet information to:
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Washington, D.C. 20231+

03/04/2003 TDIAZ1 00000047 10218247

01 FC:8021

40.00 DP

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Furukawa et al.)	New Attorney Docket No:
)	09792486-0118
Serial No:	10/218,247)	
)	Group Art Unit No: 2652
Filed:	August 14, 2002)	
)	
Title:	A MAGNETIC HEAD USING)	
	MAGNETO-RESISTIVE EFFECT AND)	Examiner: Not yet assigned
	A MANUFACTURING METHOD)	
	THEREOF)	

Commissioner of Patents and Trademarks
Assignment Division, Box Assignments
CG-4, 1213 Jefferson Davis Hwy, Suite 320
Washington, D.C. 20231

PETITION FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT
DOCUMENT

Dear Sir:

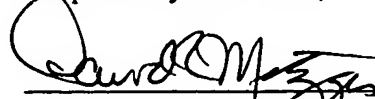
This is a corrected Assignment to correct the name of the second assignor on the Recordation Form, filed on October 15, 2002, re-recorded on reel/frame: 013412/0083. Assignor hereby confirms the assignment of the entire interest.

Applicant inadvertently misspelled the name of the second assignor as "YOSHIKIKO KKAKIHARA." The correct spelling of the second assignor's name is "YOSHIHIKO KAKIHARA."

This typographical error was made on the part of the applicant, and because of such, enclosed is the filing fee of \$40.00 along with the corrected Recordation Form that is required in connection with this correction request.

In view of the foregoing remarks and supporting documentation, correction of the Notice of Recordation of Assignment is requested.

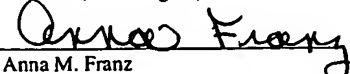
Respectfully submitted,



David R. Metzger, Reg. 32,919

SONNENSCHN NATH & ROSENTHAL
P.O. Box #061080
Wacker Drive Station, Sears Tower
Chicago, IL 60606-1080
(312)876-8000

I hereby certify that this document and any being referred to as attached or enclosed is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on

2-25-3 
Date Anna M. Franz



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PATENT AND
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FEBRUARY 10, 2003

PTAS

SONNENSCHN NATH & ROSENTHAL
DAVID R. METZGER
POST OFFICE BOX 061080
WACKER DRIVE STATION, SEARS TOWER
CHICAGO, IL 60606-1080

Under Secretary of Commerce For Intellectual Property and
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Washington, DC 20231
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SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/21/2002

REEL/FRAME: 013412/0083
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FURUKAWA, AKIO

DOC DATE: 09/03/2002

ASSIGNOR:

KKAKIHARA, YOSHIHIKO

DOC DATE: 09/10/2002

ASSIGNEE:

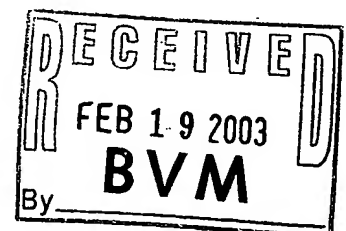
SONY CORPORATION
6-7-35, KITASHINAGAWA 6-CHOME
SHINAGAWA-KU
TOKYO 141-0001, JAPAN

SERIAL NUMBER: 10218247
PATENT NUMBER:

FILING DATE: 08/14/2002
ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECEIVED 2/19/03 DOCKET
DOCKETED Not Rec
DIARIED 2/20/03
BY: BVM CNT



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

**RECORDATION FORM COVER SHEET
PATENTS ONLY**U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Akio FURUKAWA
Yoshihiko KAKIHARA**Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

**SONY CORPORATION
6-7-35, Kitashinagawa 6-chome
Shinagawa-ku, Tokyo 141-0001
Japan**

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: Sept 3, 2002 and Sept 10, 2002Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/218,247 filed Augsut 14, 2002

B. Patent No.(s)

Additional numbers attached ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document should be
mailed:**David R. Metzger
Sonnenschein Nath & Rosenthal
Post Office Box 061080
Wacker Drive Station
Sears Tower
Chicago, Illinois 60606-1080
(312) 876-8000**6. Total number of applications and patents
involved: 17. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:
19-3140

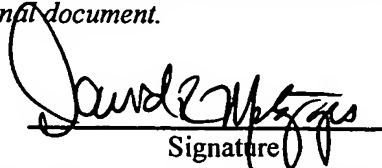
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.***David R. Metzger**

Name of Person Signing



Signature

October 15, 2002

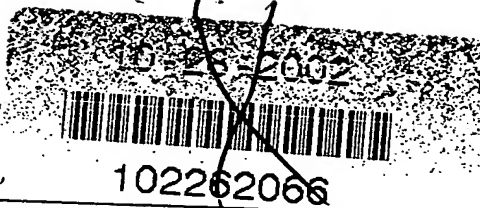
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Washington, D.C. 20231

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002,



Docket No. 09792486-0118
EET U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Akio FURUKAWA
Yoshihiko KAKIHARA

10/21/02

2. Name and address of receiving party(ies):

SONY CORPORATION
6-7-35, Kitashinagawa 6-chome
Shinagawa-ku, Tokyo 141-0001
Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: Sept 3, 2002 and Sept 10, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application:

A. Patent Application No.(s)

10/218,247 filed Augsut 14, 2002

B. Patent No.(s)

Additional numbers attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

David R. Metzger
Sonnenschein Nath & Rosenthal
Post Office Box 061080
Wacker Drive Station
Sears Tower
Chicago, Illinois 60606-1080
(312) 876-8000

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:
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David R. Metzger

Name of Person Signing

Signature

October 15, 2002

Date

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10/25/2002 DBYRNE 00000207 10218247

01 FC:8021

40.00 OP

ASSIGNMENT

FOR a valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned

AKIO FURUKAWA AND YOSHIHIKO KAKIHARA

whose mailing address(es) is/are:

c/o Sony Corporation, 6-7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan 141-0001 Japan

hereby sell(s), assign(s) and transfer(s) unto SONY CORPORATION, a corporation of Japan, having its principal office at 6-7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, Japan.

the whole right, title and interest in and to a certain invention or improvement in

"A MAGNETIC HEAD USING MAGNETO-RESISTIVE EFFECT AND A MANUFACTURING METHOD THEREOF"

disclosed in an application for Letters Patent of the United States, prepared by the firm of Sonnenschein, Nath & Rosenthal of Chicago, Illinois, and executed of even date herewith, said application being identified in the office records of said firm as Case No. 09792486-0118 - U.S. Serial No10/218,247, and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

I/We hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be granted for said invention or improvements to said Sony Corporation.

For the same consideration, I/we hereby agree that I/we will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

DATE: SEP. 3, 2002


Akio Furukawa

DATE: SEP. 10, 2002


Yoshihiko Kakihara